VERSION DESCRIPTION DOCUMENT

FOR THE

NASA PERSONNEL/PAYROLL SYSTEM

Software Release

11.0

UNITeS Contract

Date: August 9, 2004

National Aeronautics and
Space Administration

George C. Marshall Space Flight Center
Huntsville, Alabama   35812

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 11.0**

Prepared by

	08/09/04
Ken Robison	Date
Technical Lead	

Reviewed by

	08/09/04		08/09/04
Billy Graham	Date	Jim Cofer	Date
Agencywide IRM, HR		Configuration Management	

	08/09/04		08/09/04
Steve Rowell	Date	Richard Bishop	Date
Agencywide IRM		DBA	

Prepared by

UNITeS, Contract NNM04AA02C

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

**VERSION DESCRIPTION DOCUMENT
FOR THE
NASA PERSONNEL/PAYROLL SYSTEM
SOFTWARE RELEASE 11.0**

Approved by

	08/09/04
Marisa Wofford	Date
Consolidation Center Project Manager	

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, AL

TABLE OF CONTENTS

APPENDICES

1.   INTRODUCTION

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

1.1   IDENTIFICATION OF THE RELEASE

System Name – NPPS

Release Number – Software Release 11.0

The release datasets will be made available to the support Database Administrator (DBA) for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

1.2   PURPOSE OF THE RELEASE

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

1.3   SCOPE OF THE RELEASE

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release 11.0, including the following:

- Changes implemented since the last release

- References to other documents affected by this release

- Changes to application files and data formats

- Detailed software installation procedures

- Validation procedures to ensure the reliability of the software changes.

1.4 CONTACT POINTS

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

        Telephone: (256) 544-5516

        E-Mail: Billy.Graham@msfc.nasa.gov

        FAX: (256) 544-1836

2.   FUNCTIONAL INFORMATION

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

2.1   FUNCTIONAL CHANGES

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all Predict changes related to this release.

2.2   FUNCTIONAL INTERFACES

Not Applicable

2.3   CRITICAL ISSUES

Not Applicable

2.4   AFFECTED DOCUMENTS

The following document will be affected by this release:

   NPPS System/Software Requirements Specification (SRS)
   NPPS Users Operations Guide (UOG)

The modified pages of this document will be distributed under separate cover.

2.5   APPLICATION SYSTEM ADMINISTRATION

Not Applicable

3. TECHNICAL INFORMATION

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

3.1 TECHNICAL SYSTEM INTERFACES

Not Applicable

3.2 DATA DICTIONARY CHANGES

The data dictionary changes are detailed in Appendix D, Installation Instructions.

3.3 SOFTWARE OBJECT CHANGES

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4 DATABASE ADMINISTRATION

The specific database administration activities for NPPS 11.0 are detailed in Appendix D, Installation Instructions.

3.4.1 Release Dataset Names

The datasets for Software Release 11.0 are included in the Introduction of Appendix D, Installation Instructions.

3.4.2 Inventory of Objects

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

3.4.3 Storage Considerations

Not Applicable

3. 4.4 Installation Procedures

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

3.5   OPERATIONAL PREPARATION

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

4.   <u>OTHER / KNOWN PROBLEMS</u>

No known problems.

APPENDIX A
ABBREVIATIONS AND ACRONYMS

ABBREVIATIONS AND ACRONYMS

ADP   Automated Data Processing

CPO   Consolidated Payroll Office

DBA   Database Administrator

DDM   Data Definition Module

DR   Discrepancy Report

HR   Human Resources

ICD   Interface Change Document

IRM   Information Resources Management

JCL   Job Control Language

L&E   Leave and Earnings Statement

MSFC   Marshall Space Flight Center

NACC   NASA ADP Consolidation Center

NASA   National Aeronautics and Space Administration

NPPS   NASA Personnel/Payroll System

RC   Requirements Change

SESAAS   Sustaining Engineering Support for Agencywide Administrative Systems

VDD   Version Description Document

WebTADS   Web-based Time and Attendance System

APPENDIX B
GLOSSARY

GLOSSARY

Consolidation Center

Responsibility for processing and balancing payroll for all centers in the consolidated database.

Database Administration

Responsibility for maintaining the physical database environment.

Implementation

The process by which a NASA site installs a software release and places it into operational use.

Operational Preparation

Preparation by a NASA site for installation and use of an application release.

System Administration

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

APPENDIX C

FUNCTIONAL CHANGE VALIDATION PROCEDURES

VALIDATION PROCEDURES
SOFTWARE RELEASE 11.0
PERSONNEL & PAYROLL

1. **20040022**

    A. **Purpose**: Implement Retirement Cards processing in BJS.

    B. **Test Procedure**:

        1) Schedule / Run CSRS Retirement Cards (NA00513), using option 1 (separating employees only).

        2) Schedule / Run CSRS Retirement Cards (NA00513), using option 2 (all from last pay period).

        3) Schedule / Run CSRS Retirement Cards (NA00513), using option 3 (specific SSN only).

        4) Schedule / Run FERS Retirement Cards (NA00514), using option 1 (separating employees only).

        5) Schedule / Run FERS Retirement Cards (NA00514), using option 2 (all from last pay period).

        6) Schedule / Run FERS Retirement Cards (NA00514), using option 3 (specific SSN only).

        7) Verify each batch job runs to completion, without error.

        8) Print the retirement cards from each of the six (6) completed versions of the job.

        9) Verify the output for each meets user-defined requirements in the analysis and test documentation.

    C. **Validation**:

        1) Verify each batch job runs to completion, without error.

        2) Verify the output for each meets user-defined requirements in the analysis and test documentation.

2. **20040036**

    A. **Purpose:** Modify the Maryland State Tax interface to include appropriate data in the outgoing RT record.

    B. **Test Procedure**: Schedule / Run the Maryland State Tax Interface (CA00046) through BJS Processes for the selected test installation.

    C. **Validation**:

        1) Verify job CA00046 runs to completion without error.

        2) Verify the dataset record layout with the SRS Appendix N changes.

3. **20040074**

   A. **Purpose:** Modify the hours display in QTAR.

   B. **Test Procedure**:

      1) Schedule / Run Pay Initialization (CA00006) for all installations.

      2) Schedule / Run Time & Attendance Update (CA00003) for all installations.

   C. **Validation**:

      1) Verify QTAR reflects "missing" time cards greater than 9999.

      2) Verify QTAR reflects "present" time cards greater than 9999.

NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 11.0

The purpose of this release is to implement the changes allocated to software release 11.0 described below.

SOFTWARE RELEASE 11.0

RC 1620s IMPLEMENTED

CCR	Description
20040022	Make Retirement Cards Core
20040036	MD Interface Rec RT Need Zeros
20040072 ER	Retro Pay Adj Correct 400+ Employees
20040074	Increase Field Sizes on QTAR Hours Totals
20040075 ER	Virginia State Tax
20040076 ER	Salary Cap for Houston/San Fran
20040078 ER	WebTADS Extended Comp Time Balance
20040079 ER	Correct NAT1305 for NOAC 815

***** RECORD COUNT = 08

APPENDIX D
INSTALLATION INSTRUCTIONS

NASA PERSONNEL PAYROLL SYSTEM
RELEASE DESCRIPTION
SOFTWARE RELEASE 11.0

Introduction

Release Date – August 9, 2004

Release Inventory:

Dataset Names:

The following dataset is located on the transient storage DASD volumes under the following dataset name:

- MSMOV.NPPS.PROD.R1100.R0804.SRC

Physical media:
    VDD

In case of installation problems contact the NACC Technical Services Center (Use following Key Words: SESAAS & NPPS):

    Telephone: (256) 544-5516
    E-Mail: Billy.Graham@msfc.nasa.gov
    Fax: (256) 544-1836

Installation Sequence

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

 1.0 Backup Existing Data
 2.0 Copy Source/Object Code
 3.0 Pre-Predict Data Conversion
 4.0 Install Predict
 5.0 Install Data Glossary
 6.0 Catalog Source Code
 7.0 Post-Predict Data Conversion
 8.0 JCL/BJS/Xerox Modifications
 9.0 Special Instructions
10.0 Installation Checklist

1.0   BACKUP EXISTING DATA

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

2.0   COPY SOURCE

2.1   Copy Source Modules

When installing software release 11.0, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R1100.R0804.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

Natural Source Modules by Type

Global Data Areas	0
Copycode	0
Maps	3
Helproutines	0
Subroutines	0
Subprograms	2
Local/Param Data Areas	0
Programs	9
Text	0
Process	0
Miscellaneous Objects	0

===============================

Total Programming Objects	14
Total Views Unloaded	0
Total Objects Read	14
Total Object Unloaded	14

2.2   List of Source Code Modifications

The following is a list of all modules that were changed for the software release 11.0

MODULE	Description
NAO3200	QTAR
NAM3200	QTAR Screen
NAB6046	Generate Annual Wage Tape MD Empl
NAB5223	WebTADS Interface of Employee Data
NAO9120P	Calculate State Tax
NSS1900I	Bonus/Diff/Allow Calculation
RETRO014	Retro (2nd)
NAO0011	Get Max OT Rate and B/W Pay

RELEASE PROGRAMS (MOD) ==> 08

2.3   List of Source Code Additions

The following is a list of all modules that were created for the software release 11.0.

MODULE	Description
NAM513	Paramater map for CSRS ret-cards
NAO513P	Paramater pgm for CSRS ret-cards
NAB513	CSRS Ret-card generation program
NAM514	Paramater map for FERS ret-cards
NAO514P	Paramater pgm for FERS ret-cards
NAB514	FERS Ret-card generation program

RELEASE PROGRAMS (NEW) ==> 06

2.4   List of Source Code Deletions

Not applicable

3.0   PRE-PREDICT DATA CONVERSION

Not applicable

4.0   INSTALL PREDICT

4.1   Data Dictionary Changes

Not applicable

4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

Predict Objects by Type:

Keyword   1
Standard Files   0
Conceptual Files   1
ADABAS Files and Views   15

4.1.2 Storage Considerations

The changes represented by this release should not affect storage requirements.

4.1.3 Physical File Changes

Not applicable

5.0　INSTALL DATA GLOSSARY

Not applicable

6.0　CATALOG SOURCE CODE

When installing software release 11.0, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

7.0　POST-PREDICT DATA CONVERSION

Not applicable

8.0　JCL/BJS/Xerox MODIFICATIONS

JCL/BJS 　　　 **- NONE**
XEROX 　　　 **- NOT APPLICABLE**

9.0　SPECIAL INSTRUCTIONS

9.1　Update NPPS Release Number

The following process will update the NPPS software numbers:
1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 11.0, enter "11.0" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

10.0   INSTALLATION CHECKLIST

1.0	Back Up Existing Data
2.0	Copy Source
6.0	Catalog Source Code
8.0	JCL/BJS/Xerox Modifications
9.0	Special Instructions